



DEFENSE INFORMATION SYSTEMS AGENCY

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IN REPLY
REFER TO: Joint Interoperability Test Command (JTE)

2 Dec 15

MEMORANDUM FOR DISTRIBUTION

SUBJECT: Extension of Joint Interoperability Test Certification of the Acano Solution Software Release 1.5 with the Acano Client Software Release 1.5.1.1

References: (a) Department of Defense Instruction 8100.04, "DoD Unified Capabilities (UC)," 9 December 2010
(b) DoD CIO, Memorandum, "Interim Guidance for Interoperability of Information Technology (IT) and National Security Systems (NSS)," 27 March 2012
(c) through (f), see Enclosure 1

Certification Authority. References (a) and (b) establish the Joint Interoperability Test Command (JITC) as the Joint Interoperability Certification Authority for the UC products.

Conditions of Certification. The Acano Solution Software Release 1.5 with the Acano Client Software Release 1.5.1.1; hereinafter referred to as the System Under Test (SUT), meets the critical requirements of the Unified Capabilities Requirements (UCR), Reference (c), and is certified for joint use on the Defense Information Systems Network (DISN) as a Video Only (VO) Unified Capabilities Conference System (UCCS) with the conditions described in Table 1. The SUT was tested and certified for use with Assured Services Session Initiation Protocol (AS-SIP) interface when configured on the line side of the REDCOM High Density Exchange (HDX) and SLICE Local Session Controllers (LSCs). The SUT was tested with the REDCOM Release 4.0AR3P9; however, the SUT is certified with any version of the REDCOM HDX and SLICE LSCs currently or previously on the UC Approved Products List (APL). This certification expires upon changes that affect interoperability, but no later than three years from the date of the UC APL memorandum. Desktop Review 1 was requested to update modules (Apache, OpenSSL and PostgreSQL) to correct Information Assurance (IA) vulnerabilities, to incorporate CAC functionality, to update the Acano Client software from Ver. 1.5 to Ver. 1.8.15.7, to update Acano Server firmware from v. 1.5 to v. 1.8.3, and to close an open Test Discrepancy Report (TDR) by implementation of "mute" on-off functionality for audio and video. See "Test Details" paragraph for further information.

Table 1. Conditions

Condition	Operational Impact	Remarks
UCR Waivers		
None.		

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Table 1. Conditions (continued)

Conditions of Fielding		
The SUT video client is unable to set DSCP tagging due to Windows 7 limitation. The SUT must be fielded in accordance with the deployment guide.		
Open Test Discrepancies		
The SUT does not provide an online directory.	Minor	See note 1.
Condition	Operational Impact	Remarks
The SUT does not provide a registration system or web access to the conference system	Minor	See note 1.
The SUT does not provide a scheduling system.	Minor	See note 1.
The SUT does not support all of the required audio and video codecs.	Minor	See note 1.
The SUT does not fully comply with the chair control functionality requirements.	Minor	Closed See note 2.
The SUT does not support H.239 or H.261 annex D standards.	Minor	See note 3.
The SUT is not capable of extending a conference.	Minor	See note 3.
The SUT does not provide H.323 gateway capacity.	Minor	See note 3.
The SUT does not provide H.239 capability.	Minor	See note 3.
The SUT does not support dial-up video services.	Minor	See note 3.
The SUT is unable to manage or monitor reservation or scheduling services.	Minor	See note 3.
The SUT partially complies with the Fault Management Systems requirement.	Minor	See note 4.
The SUT partially complies with Fault management functions requirement.	Minor	See note 5.
The SUT does not support accounting management for dedicated or dial-up services.	Minor	See note 3.
NOTES: 1. DISA has adjudicated this discrepancy as having a minor operational impact and stated the intent to change this requirement to optional in the next version of the UCR 2. DTR 1 closed this discrepancy with validation testing at JITC. 3. DISA has adjudicated this discrepancy as having a minor operational impact and stated the intent to change this requirement to conditional in the next version of the UCR. 4. DISA has adjudicated this discrepancy as having a minor operational impact. 5. DISA adjudicated this as minor and stated the intent to move this requirement to Section 15 and broaden by removing "dedicated and dial-up video services".		
LEGEND: DISA Defense Information Systems Agency DSCP Differentiated Services Code Point POA&M Plan of Action and Milestones SUT System Under Test UCR Unified Capabilities Requirements		

Interoperability Status. Table 2 provides the SUT interface interoperability status and Table 3 provides the Capability Requirements (CR) and Functional Requirements (FR) status. Table 4 provides a UC APL product summary.

Table 2. SUT Interface Status

Interface (Protocol)	Threshold CR/FR Requirements (See note 1.)	Status	Remarks
Ethernet 10 Mbps (AS-SIP) (R) (See note 2.)	1	Certified	
Ethernet 100 Mbps (AS-SIP) (R) (See note 2.)	1	Certified	
Ethernet 1000 Mbps (AS-SIP) (R) (See note 2.)	1	Certified	
Ethernet 10000 Mbps (AS-SIP) (R) (See note 2.)	1	Not Tested	See note 3.
Ethernet 10 Mbps (H.323) (C) (See note 2.)	1	Not Tested	See note 4.

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Table 2. SUT Interface Status (continued)

Ethernet 100 Mbps (H.323) (C) (See note 2.)	1	Not Tested	See note 4.
Ethernet 1000 Mbps (H.323) (C) (See note 2.)	1	Not Tested	See note 4.
T1 ISDN PRI (H.320) (C)	1	Not Tested	See note 4.
E1 ISDN PRI (H.320) (C)	1	Not Tested	See note 4.
NOTES: 1. The UCR does not identify interface CR/FR applicability. The SUT high-level CR and FR ID numbers depicted in the Threshold CRs/FRs column are cross-referenced with Table 3. 2. The UCR states that an Ethernet interface is required; however, it does not stipulate a specific rate. The SUT supports AS-SIP natively through the SUT Ethernet interfaces. 3. Although the SUT supports this interface, it was not tested and is not covered under this certification 4. The SUT does not support this conditional interface. LEGEND: AS-SIP Assured Services Session Initiation Protocol Mbps Megabits per second C Conditional PRI Primary Rate Interface CR Capability Requirement R Required E1 European Basic Multiplex Rate (2.048 Mbps) SUT System Under Test FR Functional Requirement T1 Digital Transmission Link Level 1 (1.544 Mbps) ID Identification UCR Unified Capabilities Requirements ISDN Integrated Services Digital Network			

Table 3. SUT Capability Requirements and Functional Requirements Status

CR/FR ID	UCR Requirement (High-Level) (See note 1.)	UCR 2013 Reference	Status
1	UC Audio and Video Conference System (R)	3.4	(See notes 2 and 3.)
NOTES: 1. The annotation of 'required' refers to a high-level requirement category. The applicability of each sub-requirement is provided in Enclosure 3. 2. Security testing is accomplished by DISA-led Information Assurance test teams and the results published in a separate report, Reference (e). 3. The SUT met the requirements for a Video Only (VO) Unified Capabilities Conferencing System (UCCS) with the exceptions noted in Table 1. DISA adjudicated these exceptions as minor. LEGEND: CR Capability Requirement R Required DISA Defense Information Systems Agency SUT System Under Test FR Functional Requirement UC Unified Capabilities ID Identification UCR Unified Capabilities Requirements			

Table 4. UC APL Product Summary

Product Identification			
Product Name	Acano Solution		
Software Release	1.5.2		
UC Product Type(s)	Unified Capabilities Conference System (UCCS) (Video Only)		
Product Description	The Acano Solution platform is an IP-based Multipoint Control Unit (MCU) and protocol gateway server for video collaboration.		
Product Components (See note.)	Component Name	Version	Remarks
MCU (Server)	Acano Server	1.5.2	
	Acano Server Firmware	1.8.3	
Client Software (Laptop)	Acano Client	1.8.15.7	
Management Laptop	Dell Inspiron 3521	Microsoft Windows 7 SP1	
NOTE: The detailed component and subcomponent list is provided in Enclosure 3. LEGEND: APL Approved Product List SP Service Pack IP Internet Protocol UC Unified Capabilities MCU Multipoint Conferencing Unit UCCS Unified Capabilities Conference System			

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Test Details. The extension of this certification is based upon Desktop Review (DTR) 1. This certification is based on interoperability testing, review of the vendor's Letters of Compliance (LoC), DISA adjudication of open test discrepancy reports (TDRs), and DISA Certifying Authority (CA) Recommendation for inclusion on the UC APL. Testing was conducted at JITC's Global Information Grid Network Test Facility at Fort Huachuca, Arizona, from 23 June through 3 July 2014 using test procedures derived from Reference (d). Review of the vendor's LoC was completed on 5 June 2014. DISA adjudication of outstanding TDRs was completed on 22 July 2014. Information Assurance testing was conducted by DISA-led Information Assurance test teams and the results are published in a separate report, Reference (e).

DTR1 was requested to update the Acano Client software from Ver. 1.5 to Ver. 1.8.15.7 and Acano Server firmware from v. 1.5 to v. 1.8.3. DTR1 was also requested to validate fixes for previously documented IA vulnerabilities with Apache, OpenSSL and PostgreSQL modules, to validate the addition of CAC functionality, and to validate a fix for an open Test Discrepancy Report (TDR) for which the "mute" on-off functionality for audio and video was implemented. JITC conducted Verification and Validation (V&V) testing from 2-6 November 2015 to determine the impact of the software updates in DTR1 on the interoperability and information assurance posture of the SUT. The V&V testing was completed with no new interoperability findings, one TDR being closed, and no new IA findings. The results of the IA testing are documented in the updated version of the IA Assessment Report in Reference (e). JITC approves this extension based on validation of changes as enumerated above.

Additional Information. JITC distributes interoperability information via the JITC Electronic Report Distribution (ERD) system, which uses Sensitive but Unclassified IP Data (formerly known as NIPRNet) e-mail. Interoperability status information is available via the JITC System Tracking Program (STP). STP is accessible by .mil/.gov users at <https://stp.fhu.disa.mil/>. Test reports, lessons learned, and related testing documents and references are on the JITC Joint Interoperability Tool (JIT) at <https://jit.fhu.disa.mil/>. Due to the sensitivity of the information, the Information Assurance Accreditation Package (IAAP) that contains the approved configuration and deployment guide must be requested directly from the Unified Capabilities Certification Office (UCCO), e-mail: disa.meade.ns.list.unified-capabilities-certification-office@mail.mil. All associated information is available on the DISA UCCO website located at <http://www.disa.mil/Services/Network-Services/UCCO>.

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Point of Contact (POC). The JITC point of contact is Mr. Dale Fulton, commercial telephone (520) 538-0507, DSN telephone 879-0507, FAX DSN 879-4347; e-mail address dale.h.fulton.civ@mail.mil; mailing address Joint Interoperability Test Command, ATTN: JTE (Mr. Dale Fulton) P.O. Box 12798, Fort Huachuca, AZ 85670-2798. The UCCO tracking number for the SUT is 1330801.

FOR THE COMMANDER:



Enclosures a/s

for RIC HARRISON

Chief

Networks/Communications and UC Portfolio

Distribution (electronic mail):

DoD CIO

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USD(AT&L)

ISG Secretariat, DISA, JTA

U.S. Strategic Command, J665

US Navy, OPNAV N2/N6FP12

US Army, DA-OSA, CIO/G-6 ASA(ALT), SAIS-IOQ

US Air Force, A3CNN/A6CNN

US Marine Corps, MARCORSYSCOM, SIAT, A&CE Division

US Coast Guard, CG-64

DISA/TEMC

DIA, Office of the Acquisition Executive

NSG Interoperability Assessment Team

DOT&E, Netcentric Systems and Naval Warfare

Medical Health Systems, JMIS IV&V

HQUSAISEC, AMSEL-IE-IS

UCCO

ADDITIONAL REFERENCES

- (c) Office of the Department of Defense Chief Information Officer, "Department of Defense Unified Capabilities Requirements 2013, Errata-1," July 2013
- (d) Joint Interoperability Test Command, "Unified Capabilities Conference System (UCCS) Test Procedures for Unified Capabilities Requirements (UCR) 2013," Draft
- (e) Joint Interoperability Test Command, "Information Assurance (IA) Assessment Report For Acano Solution Software Release v.1.5 (Tracking Number 1330801)," Draft